

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P383304

Luminaire Tested: **GLEON-SA6B-735-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26373.1 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

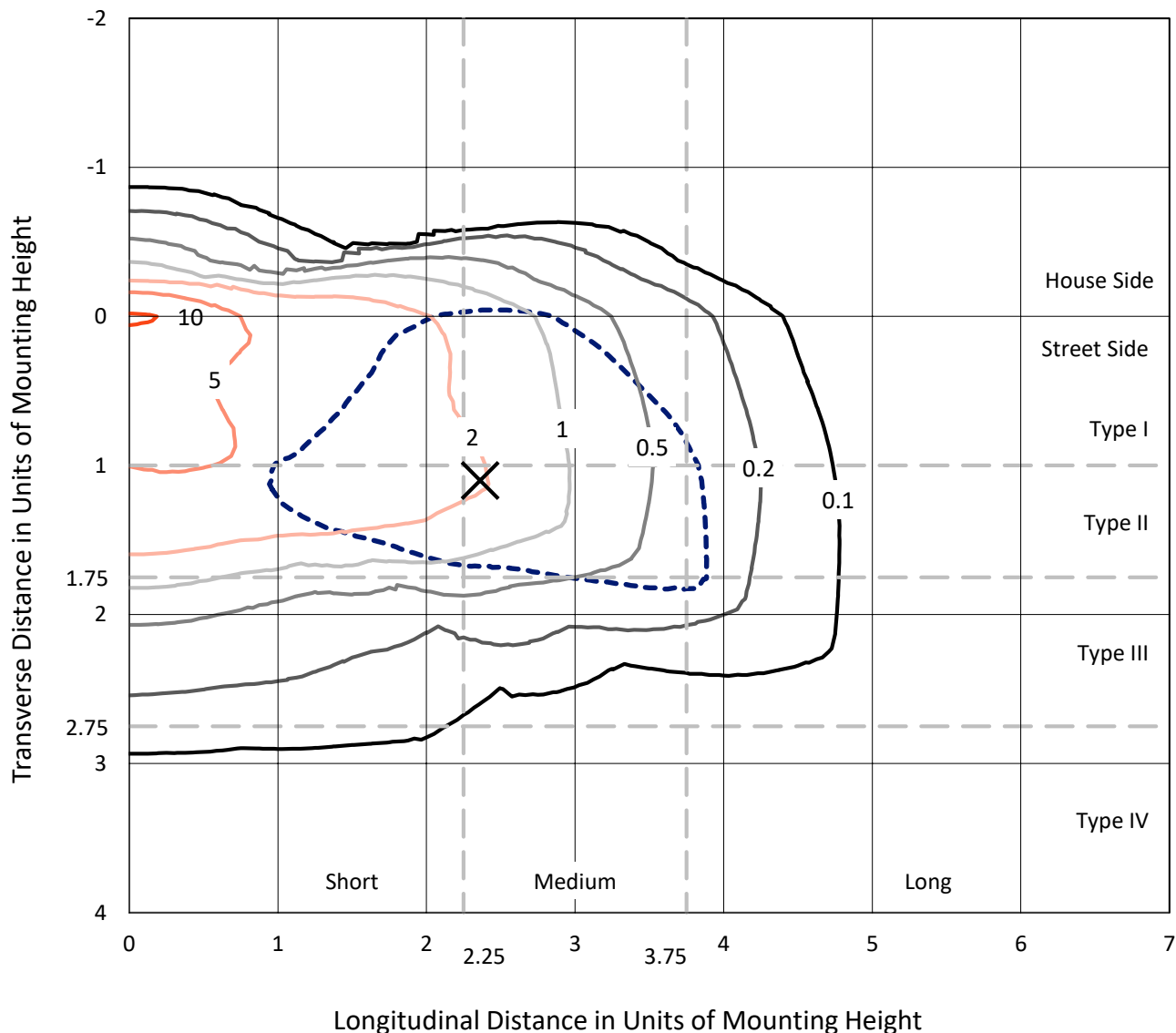
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

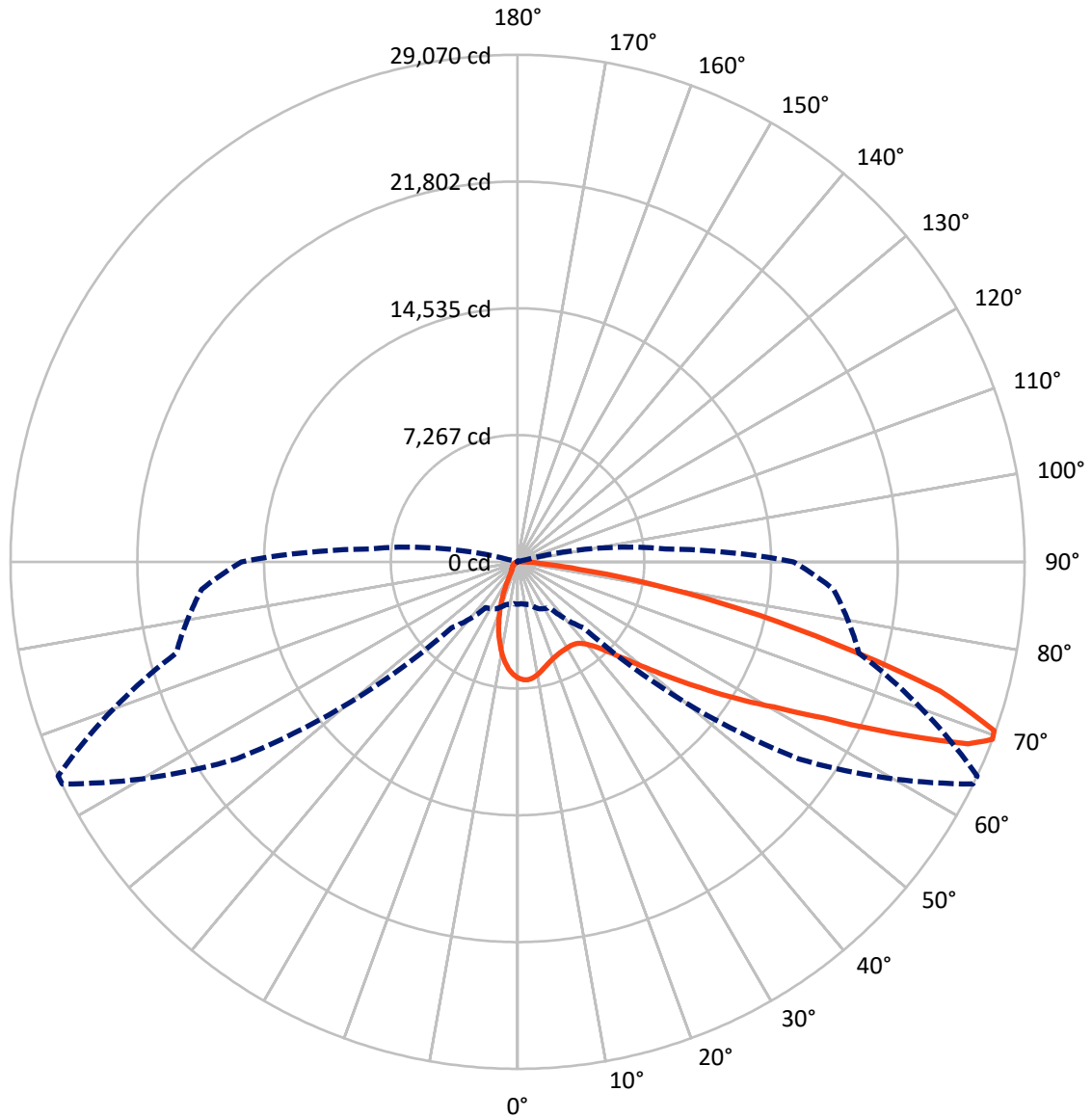
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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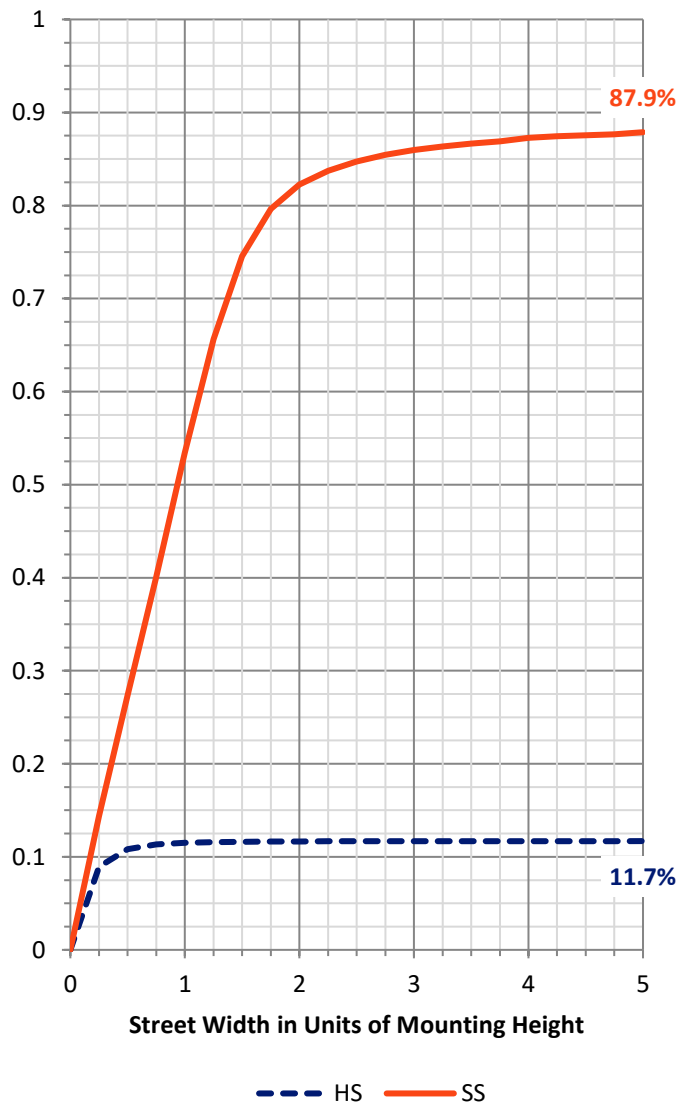
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3108.8	0.0	3108.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	23264.3	0.0	23264.3
	% Fixture	88.2	0.0	88.2
Total	Lumens	26373.1	0.0	26373.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.3	2.1
10°-20°	1219.9	4.6
20°-30°	1689.7	6.4
30°-40°	2355.9	8.9
40°-50°	3661.9	13.9
50°-60°	5878.7	22.3
60°-70°	6649.8	25.2
70°-80°	3905.5	14.8
80°-90°	454.3	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26373.1	100.0
0°-180°	26373.1	100.0

Coefficient of Utilization

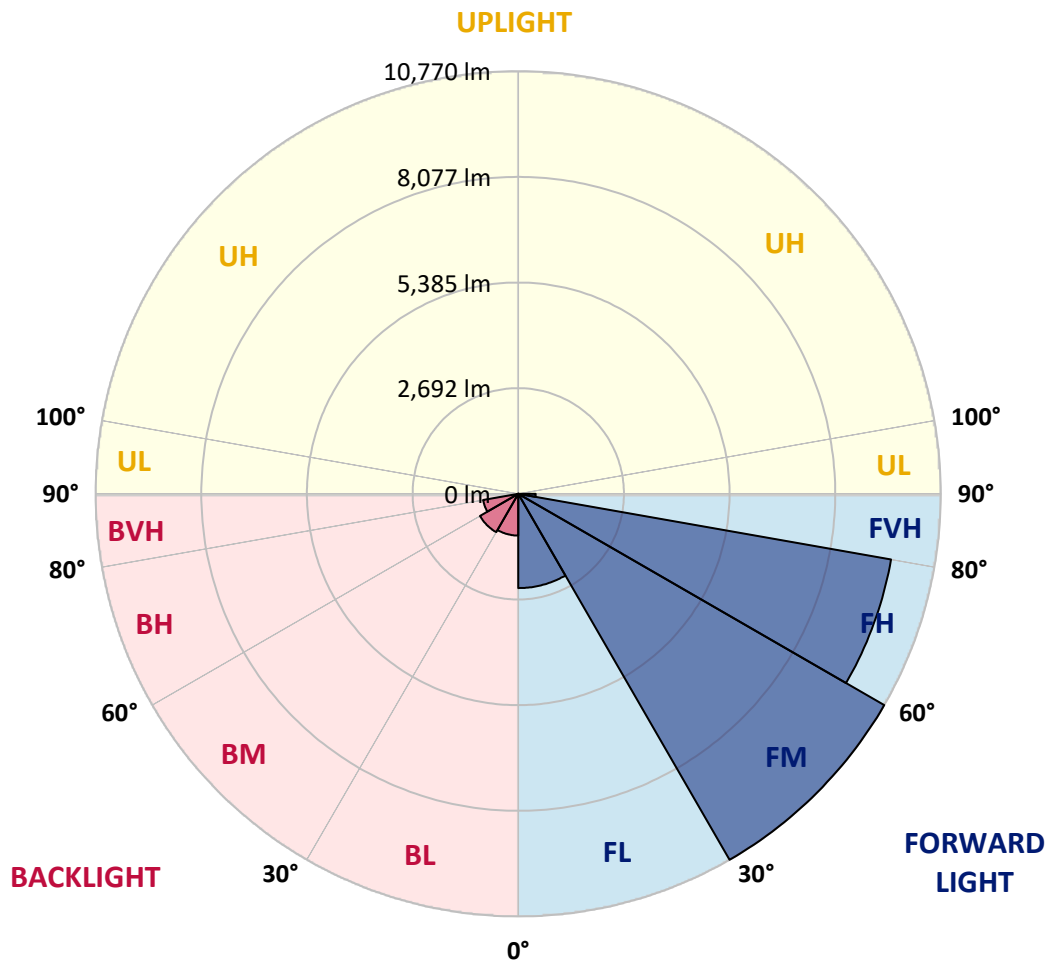


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2403.2	9.1			
FM (30°-60°)	10770.0	40.8			
FH (60°-80°)	9647.0	36.6			G4/12000
FVH (80°-90°)	444.1	1.7			G3/500
BL (0°-30°)	1063.7	4.0	B3/2500		
BM (30°-60°)	1126.5	4.3	B2/2500		
BH (60°-80°)	908.3	3.4	B2/1000		G2/1000
BVH (80°-90°)	10.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5
2.5°	6723.6	6707.0	6720.3	6749.3	6763.9	6763.9	6775.0	6761.6	6766.1	6733.7	6686.8
5°	6302.9	6277.2	6314.1	6395.5	6496.0	6581.9	6709.2	6776.1	6782.8	6783.9	6729.2
7.5°	5849.8	5826.5	5881.1	5977.1	6106.6	6266.1	6488.2	6682.4	6693.5	6798.4	6758.3
10°	5481.6	5464.8	5528.5	5631.1	5782.9	5961.4	6233.7	6503.8	6536.2	6768.3	6753.8
12.5°	5189.2	5175.9	5236.0	5354.3	5509.5	5707.0	5991.6	6305.2	6348.7	6700.2	6731.5
15°	4976.0	4973.8	5024.0	5137.9	5309.7	5493.9	5785.1	6121.0	6171.2	6626.6	6728.1
17.5°	4864.4	4867.8	4904.7	5001.8	5149.0	5332.1	5611.1	5965.9	6020.6	6560.7	6744.9
20°	4853.3	4856.6	4876.7	4931.4	5050.9	5212.7	5469.3	5835.4	5892.2	6511.6	6771.6
22.5°	4951.5	4949.3	4954.9	4949.3	5016.2	5139.0	5375.6	5734.9	5800.7	6479.3	6792.8
25°	5140.1	5136.7	5134.5	5093.2	5048.6	5114.5	5336.6	5678.0	5740.5	6455.8	6805.1
27.5°	5402.3	5400.1	5396.8	5328.7	5194.8	5153.5	5341.0	5656.8	5709.3	6436.9	6802.9
30°	5747.2	5762.8	5758.4	5663.5	5454.8	5272.9	5387.9	5645.6	5691.4	6400.0	6779.4
32.5°	6152.3	6183.5	6208.1	6106.6	5845.4	5509.5	5496.1	5657.9	5691.4	6372.2	6737.0
35°	6573.0	6613.1	6703.6	6667.8	6324.2	5865.5	5682.4	5731.5	5759.5	6387.7	6716.9
37.5°	6987.1	7035.0	7231.4	7335.2	6951.3	6336.4	5972.6	5913.5	5928.0	6482.6	6739.3
40°	7468.0	7540.5	7838.5	8005.9	7700.1	6967.0	6406.7	6225.9	6231.5	6691.3	6843.1
42.5°	8099.6	8174.4	8496.9	8759.2	8543.8	7763.7	6995.9	6703.6	6698.0	7081.9	7087.5
45°	8869.6	8947.8	9281.5	9572.7	9475.6	8707.8	7750.4	7401.1	7394.3	7697.9	7550.6
47.5°	9742.3	9819.4	10117.3	10417.5	10522.4	9810.4	8711.2	8353.0	8337.4	8553.8	8265.9
50°	10491.2	10541.4	10815.9	11219.8	11693.1	11165.2	9906.4	9561.6	9544.8	9691.0	9316.0
52.5°	10763.5	10792.4	11071.4	11637.3	12817.9	12999.8	11476.6	11032.4	11020.1	11083.7	10714.3
55°	10212.2	10264.6	10607.2	11446.4	13427.2	15073.3	13458.4	12853.6	12761.0	12623.8	12176.3
57.5°	8710.1	8793.8	9162.1	10278.0	13142.6	16718.2	16371.1	14913.7	14777.5	13938.4	13364.7
60°	6526.1	6628.8	6934.5	8138.7	11623.9	17304.1	19553.8	17209.2	16902.4	14985.2	14457.2
62.5°	4478.3	4529.7	4737.3	5521.7	8560.5	16344.4	22216.6	20283.7	19723.5	16123.4	15639.1
65°	3420.5	3438.2	3523.1	3793.2	5097.7	13276.6	23275.6	24340.2	23662.8	17484.9	16865.5
67.5°	2756.4	2741.9	2859.1	3245.2	3413.7	8099.6	22040.2	28178.0	27861.1	19305.0	18099.8
69°	2430.6	2410.5	2529.9	2978.5	3206.1	5354.3	19703.3	29049.6	29069.7	20265.8	18184.6
70°	2187.3	2200.7	2319.0	2820.1	3135.9	4202.7	17471.5	28827.5	28985.9	20625.2	17675.6
72.5°	1460.8	1496.5	1734.2	2341.3	3015.3	3180.5	10549.2	24737.5	25346.8	19816.1	15164.8
75°	823.6	850.3	1132.7	1765.5	2841.2	3028.7	5572.0	18224.7	18814.0	16570.9	11694.2
77.5°	404.0	418.5	640.5	1139.4	2375.9	2885.8	3160.4	12379.3	13052.3	10815.9	6614.3
80°	170.8	178.6	320.3	703.0	1698.5	2754.2	2346.8	7618.7	7702.3	4237.3	1762.1
82.5°	65.9	68.1	135.1	438.6	1079.1	2147.1	1963.0	3612.4	3525.3	797.9	401.8
85°	7.8	8.9	49.1	263.3	600.4	1104.8	1594.7	1556.8	1440.7	158.5	206.4
87.5°	0.0	0.0	3.4	80.4	178.6	517.8	829.2	646.1	582.5	51.3	107.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5	6664.5
2.5°	6647.8	6636.6	6576.4	6489.3	6406.7	6304.1	6205.9	6146.7	6099.9	6068.6	6105.5
5°	6665.6	6616.5	6433.5	6199.2	5969.3	5710.4	5469.3	5265.1	5184.7	5095.5	5135.6
7.5°	6660.0	6567.4	6238.2	5820.9	5399.0	4962.6	4549.8	4231.7	4066.6	3904.8	3946.0
10°	6632.2	6475.9	5977.1	5358.8	4727.2	4100.0	3514.2	3068.9	2820.1	2594.6	2627.0
12.5°	6570.8	6353.2	5669.1	4829.9	3985.1	3158.1	2471.9	1901.6	1595.8	1460.8	1477.5
15°	6534.0	6233.7	5343.3	4294.2	3192.8	2199.6	1511.0	1123.7	984.3	939.7	945.2
17.5°	6516.1	6118.8	5006.2	3681.6	2382.6	1400.5	976.4	861.5	831.4	823.6	825.8
20°	6498.2	6002.7	4659.1	3075.6	1641.6	941.9	802.3	768.9	757.7	747.7	749.9
22.5°	6468.1	5891.2	4286.4	2461.8	1107.1	764.4	723.2	690.7	667.4	655.1	657.3
25°	6431.3	5774.0	3905.9	1833.6	807.9	681.9	642.8	597.0	569.2	546.8	547.9
27.5°	6372.2	5630.0	3513.1	1334.7	678.5	610.4	558.0	507.8	460.9	435.2	435.2
30°	6289.5	5467.1	3076.7	955.3	608.2	540.1	476.5	414.0	363.8	340.4	338.2
32.5°	6198.1	5297.4	2635.9	724.3	552.4	474.3	401.8	335.9	291.3	272.3	271.2
35°	6119.9	5114.5	2196.2	607.1	496.6	410.7	331.4	275.6	240.0	224.3	223.2
37.5°	6069.7	4931.4	1767.7	542.3	446.4	351.6	277.9	227.7	202.0	189.8	188.6
40°	6061.9	4795.3	1376.0	493.3	399.5	299.1	232.1	193.0	169.6	156.2	155.1
42.5°	6163.5	4717.2	1055.7	452.0	351.6	253.3	197.5	165.2	140.6	127.2	126.1
45°	6430.2	4741.7	812.4	415.1	303.5	214.3	167.4	137.2	115.0	104.9	102.7
47.5°	6916.7	4911.3	646.1	378.3	257.8	181.9	142.8	113.8	94.8	84.8	83.7
50°	7782.7	5309.7	540.1	338.2	215.4	155.1	118.3	92.6	77.0	68.1	67.0
52.5°	8932.1	6019.5	482.1	299.1	178.6	131.7	97.1	73.7	60.3	53.6	52.4
55°	10199.9	6878.7	444.2	256.6	146.2	109.4	77.0	58.0	46.9	41.3	39.0
57.5°	11437.4	7623.1	408.5	215.4	121.7	89.2	61.4	45.7	36.8	31.2	30.1
60°	12574.7	8307.2	367.1	173.0	99.3	70.3	48.0	35.7	29.0	23.5	23.5
62.5°	13792.1	8836.2	310.2	135.1	81.5	53.6	39.0	32.3	23.5	20.1	19.0
65°	15082.2	9229.0	243.3	104.9	63.6	40.1	32.3	33.4	19.0	14.5	13.4
67.5°	16035.2	9150.9	179.7	82.5	49.1	31.2	31.2	35.7	16.8	11.2	10.1
69°	15825.4	8515.9	150.6	71.4	42.4	26.8	29.0	35.7	15.6	10.1	8.9
70°	15217.2	7812.8	132.8	63.6	37.9	24.6	27.9	34.6	14.5	10.1	8.9
72.5°	12672.9	5884.5	103.8	48.0	30.1	20.1	23.5	30.1	14.5	10.1	7.8
75°	9532.5	3766.3	79.3	34.6	22.4	15.6	17.9	22.4	14.5	8.9	7.8
77.5°	5187.0	1358.1	56.9	23.5	15.6	12.3	12.3	16.8	13.4	6.7	4.5
80°	1333.6	341.5	35.7	15.6	12.3	8.9	7.8	11.2	7.8	1.1	0.0
82.5°	329.2	77.0	19.0	11.2	8.9	3.4	3.4	5.6	3.4	0.0	0.0
85°	180.8	37.9	12.3	7.8	4.5	0.0	0.0	1.1	0.0	0.0	0.0
87.5°	92.6	11.2	3.4	2.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)